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No. 21] NEW DELHI, SATURDAY, MAY 22, 1982 (JYAISTHA 1, 1904)

इस भाग में बिन्दु पृष्ठ संख्या वो जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III-खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 22nd May 1982

CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 8th May 1982 under heading "PATENTS SEALFD" delete 145351.

In the Gazette of India Part III section 2 dated the 25th April, 1981 in page 214 column 2 under the heading cessation of Patents delete number 144535.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSF ROAD, CALCUTTA-700 017

16th April 1982

420/Cal/82 Asahi Glass Company Ltd. Filter press type electrolytic cell

421/Cal/82 M. A. N Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft Equipment for cyclically correct actuation of gas change valve

422/Cal/82 M. A. N Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft Hydraulic device for actuating gas-change valves

423/Cal/82 M. A. N Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft Hydraulic device for actuating gas change valves.

17th April 1982

424/Cal/82 Preformed Line Products Company Bending strain relief

425/Cal/82 White Consolidated Industries, Inc. Muffler system for refrigeration compressor.

77 GI/82

426/Cal/82 Leningradsky Gorny Institut Imeni G.V. Plekhanova and Proizvodstvennoe geologicheskoe obiedinenie tsenbralnykh raionov "trentrageologia", Method and apparatus for the determination of kinetics of structure formation in a binder.

427/Cal/82 Boris Georgievich Zotov, Viktor Alexandrovich Zaitsev, Albert asilievich Morozov, Jury Ivanovich Kapriyanov, Tamara Georgievna Koiganova, Gertruda Alexandrovna Kuzina, Nikolai Fedorovich Khrapunov, Igor Pavlovich Mukhin, Egidijus Rimantas Ionovich Pyatuskas, Albinas Juozovich Pilkauskas and Mikhail Kuzmich Chistyakov. Process for production of extraction phosphoric acid.

428/Cal/82 Machinenfabriek en Technische Handelsondernehmung M H van der Graaf B. V. Friction clutch.

429/Cal/82 Beloit Corporation. Extended nip press.

19th April 1982

430/Cal/82 Fives-Call Babcock Production of cement clinker

431/Cal/82 James W. Gardner Enterprises, Inc. Apparatus for bust blanching peanuts

20th April 1982

432/Cal/82 Stauffer Chemical Company Tetra-Substituted ammonium salt of N-Phosphonomethylglycine and their uses as herbicides and plant growth regulants.

433/Cal/82 Ugine Aciers Method and apparatus for continuous casting on a grooved wheel

434/Cal/82 Novo Industri A/S Debranching enzyme product, preparation and use thereof.

435/Cal/82 Eaton Corporation Shifting actuator.

- 436/Cal/82. Georg Fischer Aktiengesellschaft, CH. Plunging-capsule.
- 437/Cal/82. Krupp-Koppers GMBH. Apparatus for the drying and pre-heating of coking coal.
- 438/Cal/82. Krupp-Koppers GMBH. Process and apparatus for operating a coking plant.
- 439/Cal/82. Pawan Chandra Wadhwana. Bobbin holder. [Addition to No. 51/Cal/76].
- 440/Cal/82. Brahm Dutt Tandon. Improved tubewell strainer or filter.

21st April 1982

- 441/Cal/82. E. I. Du Pont De Nemours and Company. Steam Trap.
- 442/Cal/82. Kraftwerk Union Aktiengesellschaft. Hot gas system.
- 443/Cal/82. Siemens Aktiengesellschaft. Liquid ring vacuum pump for fluid media.
- 444/Cal/82. Leningradskoe Proizvodstvennoe Elektromashinostroitelnoe Obiedinenie "Elcktrosila" Imen S. M. Kirova. Electric machine stator.
- 445/Cal/82. Institute Po Technicheskia Kibernetika I Robotika. Apparatus for wire feeding at great distances.
- 446/Cal/82 Simplex-Ge (Holdings) Limited. Electrical coupling. (21st April, 1981/U.K.).
- 447/Cal/82. Italtel Societa Italiana Telecommunicazioni S.P.A. Method to make clearance holes made in supports for electric circuits conductive.
- 448/Cal/82. Dr. Sarat Chandra Ghosh. Device for transfer of measured volume of liquid.

APPLICATION FOR PATENT FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5

29th March 1982

- 260/Del/82. The Goodyear Tire & Rubber Company. "Method for synthesis of long-chain carboxylic acids and alcohols".
- 261/Del/82. Johnson Matthey Public Ltd. Co., "Improvements in or relating to profile change sensors".
- 30th March 1982
- 262/Del/82 Windmill Plastics Ltd., "Closure Device. (April 7, 1981).
- 263/Del/82. Pfizer Inc., "Enkephalinase enzyme inhibiting compounds".
- 264/Del/82. Ferodo Limited. "Improvements in or relating to friction materials". (April 10, 1981).

31st March 1982

- 265/Del/82. Thomas K. Joseph, "An Improvement in or relating to screen for televisions, Cinema projectors and the like".
- 266/Del/82. Gautam Nath Sabharwal. "An improved tranquillising method for animals and tranquilliser dart in relation thereto".
- 267/Del/82 Sachindra Nath Sen, "A theft prevention and burglar alarm device".
- 268/Del/82 Sachindra Nath Sen, "A burglar alarm and theft prevention device". [Addition to 106/Del/79].
- 269/Del/82 Sneh Gupta, "A cooking range".

2nd April 1982

- 270/Del/82. Vijay Bahadur, "An improvement in or relating to alloy suitable for depositing metallic layers".

271/Del/82. Jean Guigan, "Method and apparatus for dispensing a predetermined dose of a sample liquid into a receptor cell".

272/Del/82. Bicc Public Ltd Co., "Apparatus for locating faults in electric cables" (April 7, 1981).

3rd April 1982

273/Del/82. Mohammad Yusuf, "Hybrid falling-weight water lifting pump".

274/Del/82. Ceylon Tobacco Co., "Process and apparatus for drying fibrous materials". (April 3, 1981).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,

MADRAS-600 002

12th April 1982

73/Mas/82. Saiman Gas Appliance (Private) Limited. Ready-made knowhow for improvement in or relating to cooking and heating system under the trade name of Saiman Gas as per requirements

74/Mas/82. P. Velunathan A device or fitting for spectacle frames.

13th April 1982

75/Mas/82. N. R. Krishnaswamy. Production of dense body spinels of A_2O_3 compound by fusion-melting of a high temperature oxide together with one or more metallic oxide or oxides.

76/Mas/82. P. O. Peter. Single sleeper system at rail joints instead of double sleepers in order to assure better safety to rails and train

77/Mas/82. M. Bozovic. A new initiating composition.

78/Mas/82. M. Bozovic. A gold delay composition

ALTERATION OF DATE

149894 } Post dated 12th June, 1980
69/Mas/79 }

COMPLIANCE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification"

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CLASS 176B. 149881.

Int. Cl. F22b 5/04.

METHOD OF FORMING HOLES IN METAL PARTS AND EXTRUDING NIPPLES THEREIN.

Applicants: COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor: THOMAS LEED MABERY.

Application No. 1384/Cal/78 filed 27 December, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A method of forming a hole in a metal part and extruding a nipple on a first surface of a metal part around the hole, the hole extending through the part from the first surface to a second surface on the part and having a desired diameter, comprising the steps of: (a) forming an initial hole in the part, the initial hole having the desired diameter along a first portion extending part of the way through the hole from the second surface, the hole having a smaller diameter along a portion extending part of the way into the hole from the first surface; and (b) forcing a mandrel through the initial hole from the second surface to the first surface, the mandrel having a diameter at its widest point equal to the desired diameter thereby extruding material forming the smaller portion of the hole into a nipple on the first surface of the part.

Comp. Specn. 7 Pages.

Dig. 2 Sheets.

CLASS 72B. 149882.

Int. Cl. C06b 1/00.

AN INVERTED PHASE AQUEOUS BLASTING COMPOSITION AND METHOD OF PREPARATION THEREOF.

Applicants: IRECO CHIMICALS OF SEVENTH FLOOR, KENNECOTT BUILDING, SALT LAKE CITY, UTAH, 84133, U.S.A.

Inventor: WALTER B. SUDWEEKS.

Application No. 135/ Cal/79 filed 14 February, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims. No Drawings.

An inverted phase aqueous blasting composition having a water-immiscible liquid organic fuel such as herein described, as a continuous phase, an emulsified aqueous inorganic oxidizer salt solution such herein described, as a discontinuous phase, and an emulsifier; characterized in that the emulsifier is a fatty acid amine or ammonium salt having a chain length ranging from 14 to 22 carbon atoms.

Comp. Specn. 14 Pages.

Drg. Nil.

CLASS 63E.

149883.

Int. Cl. H02K 9/16.

MULTI CHANNEL COOLING SYSTEM OF TURBOGENERATOR ROTOR OVERHANG WINDINGS.

Applicants: BHARAT HEAVY ELECTRICALS LIMITED, OF 18-20 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors: KALE SIVA SANKARA RAO AND CHUNDURI LAKSHMINARAYANA.

Application No. 317/Del/78 filed May 1, 1978.

Complete Specification left 27 July, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims

Improved multi channel cooling system for turbogenerator rotor overhang windings wherein the windings are made in

the conventional manner, the improvement being that one or more air inlets and outlets are provided along the length of the straight portion and bent i.e. curved position of the overhang part of the windings.

Comp. Specn 11 Pages.

Drg. 1 Sheet.

CLASS 39K + O + 40B.

149884.

Int. Cl. B01j 11/00, C01b 33/00.

A METHOD OF MANUFACTURING ZEOLITE CATALYST POWDER OF MORDENITE FAMILY.

Applicant: THE ASSOCIATED CEMENT COMPANIES' LIMITED CEMENT HOUSE, 121, MAHARSHI KARVE ROAD, BOMBAY-400 020. MAHARASHTRA, INDIA.

Inventors: 1. BALBIR KRISHNAN GUPTARSHI, 2. SURESH VASANT KARKHANI, 3. KUDALLUR VENKATACHALAM SHESHADRI, 4. PRAKASH RAJARAM-SINH PARDESHI, 5. ARVIND VINAYAK DEO AND 6. ARAKALLI LAMSHMINARAYAN RAVIMOHAN.

Application No. 52/Bom/1979 filed Feb. 23, 1979.

Complete specification after provisional left on Feb. 21, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

A method of manufacturing pure crystalline zeolite catalyst powder of mordenite family having consistent good quality of the type hereinbefore stated for use mainly as catalyst and/or catalyst carriers as herein described comprising reacting a stirred aqueous solution of sodium aluminate or alumina trihydrate dried at 100°C with silicic acid having Na₂O content of 0.1% to 6.64% to obtain a homogeneous raw mix gel, heating said gel in an autoclave at 130°C to 215°C until crystallisation takes place, filtering the crystallised material, washing with water to a pH of 9 to 10 and finally drying at 100°C to obtain a crystalline sodium mordenite which is subjected to repeated-successive acid treatments such as herein described and washed with deionised water to remove dissolved acidic ions and the cake is dried at 100°C.

Provisional specification 12 Pages.

No Drg.

Complete Specification 23 Pages.

No Drg.

CLASS 53E.

149885.

Int. Cl. B60n 1/00.

AN IMPROVED RICKSHAW.

Applicants & Inventors: SHIVANANTHAM SUBRAMANYAM, C 10/4, R.E.C. CAMPUS WARANGAL-506 004, (A.P.) AND TALYA LAKSHMINARAYANA-RAO SITHARAMA RAO, C 9/1, R.E.C. CAMPUS, WARANGAL-506 004, (A.P.).

Application No. 199/Mas/79 dated November 6, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

An improved rickshaw having a driver's seat, and a passenger seat assembly including a back rest, a seat member and a foot rest; characterised in that said back rest and said foot rest are respectively located adjacent to and away from said driver's seat, and said foot rest is disposed at a plane substantially lower than the rear axle of said rickshaw, in order to bring the centre of gravity of said rickshaw relatively down and forward towards the front axle compared to the location of the centre of gravity in the conventional rickshaws; said seat member being resiliently supported on the underframe or chassis of the rickshaw to which said passenger's seat assembly is secured.

Comp. 7 Pages.

Drg 1 Sheet.

CLASS 68A 149886.

Int. Cl. H02j 7/00.

BATTERY CHARGING SYSTEMS FOR ROAD VEHICLES.

Applicants: LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventor: JOSEPH DAVID FOULKES TAYLOR.

Application No. 320/Cal/78 filed March 25, 1978

Convention date April 2, 1977 (14014/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A battery charging system for a road vehicle comprising an alternator, a rectifier connecting the alternator to main battery for charging of by the alternator, and d.c. to d.c. converter connecting the main battery to an auxiliary battery which is in series with the main battery, the d.c. to d.c. converter including an auto-transformer having a pair of main windings, each connected at one end to one terminal of the main battery and connected at their other ends through respective semiconductor switching elements to the other terminal of the main battery, said switching elements forming part of an oscillator so that the switching elements are turned on alternately, and at least one further winding connected in series with a diode between said other end of one of the main windings and a terminal of the auxiliary battery.

Comp. Specn 12 Pages

Dig. 1 Sheet.

CLASS 68A. 149887.

Int. Cl.-H02j 7/00.

BATTERY CHARGING SYSTEMS FOR ROAD VEHICLES.

Applicants: LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventor: — JOSEPH DAVID FOULKES TAYLOR.

Application No. 321/Cal/78 filed March 25, 1978.

Convention date 2nd April, 1977 (14015/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims.

A battery charging system for a road vehicle comprising an alternator, a main rectifier connecting the alternator to a main battery an auxiliary rectifier providing an output voltage which is the same as that provided by the main rectifier when the alternator is running normally, a d.c. to d.c. converter connecting the main battery to an auxiliary battery in series with the main battery, and semi-conductor switch means for inhibiting operation of the d.c. to d.c. converter sensitive to the output voltage of the auxiliary rectifier and arranged to inhibit operation of said converter when such output voltage is below a predetermined level.

Comp. Specn. 10 Pages.

Dig. 1 Sheet.

CLASS 64B, & B₃. 149888.

Int. Cl.-H01h 1/00.

INSULATION-PIERCING CONTACT FOR ELECTRICAL CONNECTION TO AN INSULATION-COVERED CONDUCTOR AND AN ELECTRICAL CONNECTOR INCORPORATING THE SAME.

Applicant: BUNKER RAMO CORPORATION, OF 900 COMMERCIAL DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Inventors: ISTVAN MATHE AND ALAN HENRY KASPER.

Application No. 114/Cal/78 filed April 13, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patents Office, Calcutta.

10 Claims.

An insulation-piercing contact for electrical connection to an insulation-covered conductor said contact comprising: a pair of opposed sidewalls adapted to receive the insulated conductor longitudinally therebetween, at least one sidewall including a stationary portion and a transversely displaceable portion, the displaceable portion being normally disposed outwardly of said stationary portion and displaceable relative to said stationary portion; and at least one pair of protuberances forming a conductor-receiving notch adapted to penetrate the insulation and make electrical connection with the conductor, one of said protuberances extending inwardly from the displaceable portion of a respective one of each of said sidewalls.

Comp. Specn. 15 Pages.

Drg. 3 Sheets.

CLASS 1A. 149889.

Int. Cl. C09j 3/12.

WATER-BASED PRESSURE SENSITIVE ADHESIVE AND PROCESS.

Applicants: JOHNSON & JOHNSON, OF 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.

Inventor: CYRUS BEMMELS.

Application No. 814/Cal/78 filed July 24, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta.

22 Claims.

A water-based pressure-sensitive adhesive composition which comprises: a mixture of a latex component comprising polymeric elastomer solids in a water system, and a high solids tackifier resin solution comprising about 50-90 percent resin solids dissolved in organic solvent, said tackifier resin solution being dispersed in the latex component; said latex component comprising about 50-100 percent isoprene polymer portions by weight of said elastomer solids and said tackifier resin solids being present in the amount of about 50-200 parts per 100 parts by weight of said elastomer solids; said composition comprising a small amount of carboxylation and having a pH of at least about 8.

Comp. Specn. 24 Pages.

Drg. Nil.

CLASS 174G. 149890.

Int. Cl.-F16f 7/00.

REASONANCE TORSIONAL VIBRATION DAMPER.

Applicants: MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, OF KATZWANGER STRASSE 101,8500 NURNBERG, WEST GERMANY.

Inventor: DIPL.-ING. FRIEDRICH BAUER.

Application No. 831/Cal/78 filed July 29, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patents Office, Calcutta.

8 Claims.

A resonance torsional vibration damper, typically a multiple-member vibration damper consisting preferably of a primary member formed by a plurality of permanently interconnected parts mountable on a shaft or crankshaft and one or a plurality of secondary members arranged axially side by side but separated from each other by flexible means and connected to the primary member, characterized in that the primary member (4a, 4b) is provided with cooling air passages (11) extending substantially radially outwards and terminating in the region of the secondary members (7, 8,) and in that the free end face or faces (6) of one or a plurality of secondary members (8) are provided with cooling ribs (12) extending preferably radially outwards.

Comp. Specn 8 Pages.

Drg. 2 Sheets.

CLASS 56D.

149891.

Int. Cl. B01D (17/00).

"FILM-TYPE ROTARY MASS-AND-HEAT EXCHANGE" COLUMN.

Applicants & Inventors: (i) ALEXANDR VIADIMIROVICH SHAFRANOVSKY, OF OBLAST BALASHIKHA, MOLODIZHNAYA ULITSA 4 KV. 7, MOSKOVSKAYA, USSR; (ii) VITALY RAESEL-ABOVICH RUCHINSKY OF PROSPEKT MIRA, 202, KV. 21, MOSCOW, USSR; (iii) VIKTOR MARKOVICH OLYISKY, OF LENINGRADSKY PROSPEKT, 75-A, KV. 91, MOSCOW, USSR; (iv) VLADIMIR PETROVICH GAVRIIL, OF KASTANAEVSKAYA ULITSA, 27, KORPUS 5, KV. 25, MOSCOW, USSR; (v) VLADIMIR KAZMIROVICH CHUBUKOV, OF KOMSOMOLSKY PROSPEKT, 41, KV. 97, MOSCOW, USSR; (vi) VALENTINA NIKOLAEVNA GROMOGLASOVA, OF ULITSA P. KORCHAGINA, 1 KV. 72, MOSCOW, USSR; (vii) VLADIMIR SEMENOVICH BUSHLEV, OF BALAKLAVSKY PROSPEKT, 4, KORPUS, 1, KV. 206, MOSCOW, USSR; (viii) JURY ALEXANDROVICH BASKOV, OF SHOSSE ENTUZIASTOV, 156 KV. 20, MOSCOW, USSR; (ix) VIOLETTA VOLFOVNA KURKOVSKAYA, OF PROSPEKT MIRA, 99, KV. 12, MOSCOW, USSR; (x) BORIS ANATOLIEVICH GURKOV OF ULITSA GEROEV PANFILOVSEV, 13, KV. 116, MOSCOW USSR AND (xi) IVAN FROLOVICH EVKIN, OF BULVAR MATROSA ZHELEZNYAKA, 9 a, KV. 78, MOSCOW, USSR.

Application No. 1208/Cal/78 filed November 8, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims

A film-type rotary mass-and-heat exchange column, comprising a vertical shell provided with means for admitting therein the original stock involved in the process and withdrawing the end products therethrough; a vertical shaft rotatably mounted in the shell; a number of contact stages held to the shaft and formed by bands curved into spirals which diverge from the shaft and are flanged towards the latter at their edges, said bands being provided with longitudinal beads bulging outwards on the concave surface of the bands to form a number of channels along the length; and at least one device for the liquid to flow over from one contact stage onto the other, said device being in effect a circular pocket made fast on the inner side wall of the shell and adapted for receiving the liquid thrown off from the superjacent contact stage, and a downflow spout whose intake end communicates with said circular pocket, while its discharge end is situated above the subjacent contact stage.

Comp. Specn. 39 Pages.
CLASS 32F, & 55D,
Int. Cl. C07d 31/24Dig. 6 Sheets.
149892.**PROCESS FOR PREPARING HALOMETHYL SUBSTITUTED DIALKOXYPYRIDINES.**

Applicant: THE DOW CHEMICAL COMPANY, OF MIDLAND, COUNTY OF MIDLAND, STATES OF HICHIGAN UNITED STATES OF AMERICA.

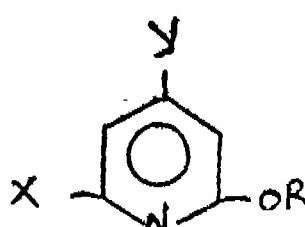
Inventors: MYK ROMAIN FENSTERMACHER, AND ROBERT LEE NOVEROSKE.

Application No. 211/Cal/79 filed March 6, 1979.

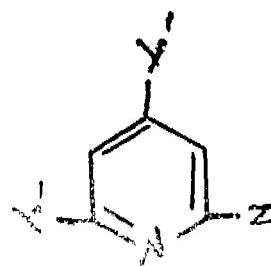
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patents Office, Calcutta

4 Claims.

A Process for preparing a halomethyl substituted dialkoxy-pyridine compound corresponding to formula I.



wherein X and Y represent OR', trichloromethyl, trifluoromethyl, dichlorofluoromethyl or chlorodifluoromethyl with the proviso that one of X or Y must be OR' and the other of X and Y is other than OR'; and R and R' each independently represent alkyl of 1 to 12 carbon atoms or alkenyl of 3 or 4 carbon atoms which comprises the reaction of a halomethyl substituted halopyridine having the formula II,



wherein X' and Y' represent chloro, bromo, fluoro, trichloromethyl, trifluoromethyl, dichloromethyl, dichlorofluoromethyl or chlorodifluoromethyl with the proviso that one of X' and Y' must be chloro, bromo or fluoro and the other must be other than chloro, bromo or fluoro and Z represents chloro, fluoro, bromo or OR with an alkali metal alkoxide or alkenoate in an organic solvent medium at a temperature of from 50 to reflux of the reaction mixture and thereafter separating the resulting products.

Comp. Specn. 29 Page..

Drg. 1 Sheet.

CLASS 23I & 76H.

149893.

Int. Cl.-B65d 53/00.

SAFETY OR SECURITY SEALS FOR CASH BOXES/CURRENCY BOXES.

Applicant & Inventor: MADHU SUDHAN SHARMA, OF 23 BARANOSHI GHOSH ST. CALCUTTA-700 007, STATE OF WEST BENGAL, INDIA.

Application No. 1278/Cal/79 filed December 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patents Office, Calcutta.

8 Claims.

A safety or security seal for cash boxes and currency boxes having a main body comprising a thickened portion on one side thereof, a socket or cavity formed in the thickened portion, an inverted U-shaped loop extending from the side of the body remote from the thickened portion and being forked at its free end, the forked end being widened and formed with shoulders on its opposite sides, the forked end being adapted to be inserted into the said socket or cavity with its prongs pressed together and locked in position by shoulders formed with the socket or cavity engaging the shoulders on the forked end of the loop.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 172 (B+D.+1).

149894.

Int. Cl.-D02e 3/28.

ROLLER DRIVE MECHANISMS FOR PRODUCING FANCY YARNS ON DOUBLING MACHINES.

Applicant: THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION COIMBATORE AFRODROME P.O. Coimbatore -641014, TAMIL NADU.

Inventors: (1) KASTHURISWAMY SREENIVASAN, (2) SRINIVASLU NAIDU GOVINDARAJAN, (3) KOLAR SESHA IYER SHANKARAN RAYANA.

Application No. 69/May 79 filed April 27, 1979.

Complete specification left June 20, 1980;

Post dated to June 12, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A roller drive mechanism for producing fancy yarns on a doubling machine including a pair of front rollers and a pair of back rollers, one of the said back rollers being driven by transmitting the drive from the gear-end of said doubling machine, the drive of one said back roller being taken to drive an auxiliary shaft which, in turn, drives one of the said front rollers through a regulating means so that the speed of said front rollers is regulated with respect to the speed of said back rollers.

(Prov.—7 pages; Com.—12 pages; Drwgs.—3 sheets, each of size 33.00 cms. X 41.00 cms.)

CLASS 206E

149895.

INT. CL. H 05 k 3/06.

A METHOD OF MANUFACTURING MULTILAYER PRINTED CIRCUIT BOARDS AND A PRINTED CIRCUIT BOARD MANUFACTURED THEREBY.

Applicant : HEGDE AND GOLAY LIMITED, "SHREE-SHYLA", KANAKAPURA ROAD, BANGALORE-560 062, KARNATAKA.

Inventors : (1) VEDU MITTER, (2) THIMMA SRI RAMA REDDY, (3) KODI PADMANABHA KARANTH.

Application No. 154/Mas/79 filed August 17, 1979.

Complete specification left January 14, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims.

A method of manufacturing Multilayer printed circuit Boards comprising of the following sequence of operations, in which, on both the sides of a double sided copper clad laminate required conductor pattern is printed and etched; the surface of both sides of the foils are cleaned and treated for effective adhesion; conductive foils with micro-rough structure on bonding surface are bonded on both sides with one or more preimpregnated glass cloth on each side; holes are drilled, deburred and etched back; electroless conductive metal is deposited in the holes and on both sides of the surface; plating pattern resist is printed on the foils bonded on both the sides and the foils are copper plated followed by plating with solderable conductive metal; plating resist is stripped and the unwanted copper is etched to form the required pattern.

Prov. 4 pages.

Complete Specn 6 pages.

Drwgs. 4 sheets

CLASS 139A

149896.

Int. Cl. C 101 5/44.

A METHOD OF MANUFACTURE OF HIGH DENSITY CARBON PELLETS FROM CARBONACEOUS WASTE MATERIAL.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS-600 036, TAMIL NADU.

Inventors : (1) DR. AYYAGARI PRABHAKARA RAO, (2) ASLAM ALI.

Application No. 181/Mas/79 filed September 24, 1979.
Complete specification left July 18, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A method of manufacture of high density carbon pellets from carbonaceous waste material, such as herein described, comprising the removal of excess moisture therefrom by

means, such as drying or pelletisation; heating the said material in a closed retort out of contact with atmosphere, to a temperature, such as 450°C, to ensure full carbonisation characterised by cooling and grinding the mass left in the retort; mixing the said mass with a binder such as molasses and compressing the same under a heavy load by means, such as, a hydraulic press and a die of the desired size, to obtain high density carbon pellets.

Prov. 8 pages.

Complete Specn. 11 pages.

Drwgs. 1 sheet.

CI ASS 24 (A+E)

149897.

Int. Cl. F 16 d 65/14.

A BRAKE ACTUATOR.

Applicant : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM, ENGLAND.

Inventor : JOHN STUART THISTLETON.

Application No. 197/Mas/79 filed November 5, 1979.

Convention date 7-11-1978 (No. 43256/78 United Kingdom).

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A brake actuator comprising; an output tapped fixed against rotation; a sleeve member in screw-threaded engagement with the output tappet; an operating mechanism comprising a fixed member and a movable member which, upon rotation relative to the fixed member, applies an axial force to the sleeve member to axially advance the sleeve member and the output tapped as a unit; and an adjusting mechanism for rotating the sleeve member relative to the output tappet to advance the output tappet relative to the sleeve member when adjustment of the brakes is necessary, the adjusting mechanism including a rotatable input member which is rotatably driven by the movable member of the operating mechanism, and a torsion coil spring which rotatably couples the input member to the sleeve member via a one-way clutch, the torsion coil spring having one end fixed by a non-slipping connection to the input member and the other end fixed by a non-slipping connection to the one-way clutch, the arrangement being such that during brake adjustment rotation of the input member is transmitted to the sleeve via the torsion spring and one-way clutch until the torque required to rotate the sleeve reaches a predetermined value whereupon further rotation of the input member is accommodated by resilient torsional deformation of the portion of the torsion coil spring located between the said ends thereof.

Complete Specn. 15 pages.

Drwgs. 2 sheets)

CLASS 24B

149898.

Int. Cl. B 61 h 5/00.

A DISC BRAKE FOR RAIL VEHICLES.

Applicant : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : GLYNNE THOMAS BOWSHER.

Application No. 222/Mas/79 filed December 11, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A disc brake of the kind set forth in which the caliper comprises a pair of rigid limbs which are disposed on opposite sides of the disc, and separate bridge means which extends over the peripheral edge of the disc and interconnects the limbs adapted to permit the limbs to be relatively displaceable bodily in planes parallel to the plane of the disc to accommodate relative angular movement between the disc and the caliper.

Complete Specn. 10 pages.

Drwgs. 6 sheets.

CLASS 195A 149899.

Int. Cl. F 16 k 33/00.

VERTICAL FLOAT VALVE.

Applicant & Inventor : DR. GOWRISHANKAR PANDIT RAO PAI NITKAR, 5-2-1026, JAWAHARI AL NHHRU ROAD, HYDERABAD-500 001, ANDHRA PRADESH.

Application No 114/Mas/80 filed June 23, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

Vertical float valve comprising a pipe closed at one end having a plurality of apertures/holes on circumference of the said pipe, disc attached to the closed end thereof : a clamp attached to an inlet pipe with nut and bolt, and four chains to fix the said pipe movably inside the inlet pipe.

Complete Specn. 3 pages.

Drawgs. 1 sheet.

CLASS 32E 149900.

Int. Cl. C 08 g 17/02.

A PROCESS FOR THE PRODUCTION OF POLY-HYDROXYESTER RESINS.

Applicant : INDIAN SPACE RESEARCH ORGANISATION, DEPARTMENT OF SPACE, F BLOCK, CAUVERY BHAVAN, DISTRICT OFFICE ROAD, BANGALORE, KARNATAKA.

Inventors : (1) KENTHAPADI NANNAJER GOVINDARAMAN (2) VALLA VATAPPIL KARUNAKARAN.

Application No 129/Mas/80 filed July 11, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

11 Claims

A process for the production of polyhydroxyester resins comprising simultaneous esterification and hydroxylation and subsequent polymerization of castor oil by reacting it with a dicarboxylic acid such as hereinbefore defined and a hydroxyl compound such as hereinbefore defined in an aromatic solvent and in presence of a known acid catalyst, monitoring the progress of polymerisation by measuring the drop in acid value of the reaction mixture, continuing the reaction till the acid value drops to less than 1 and thereafter recovering the final product by known methods.

Complete Specn 8 pages

Drawgs. 1 sheet.

CLASS 61K 149901.

Int. Cl. F 26 b 15/26.

AN APPARATUS FOR CONTINUOUS DRYING TEA, COCOA BEANS, PADDY AND LIKE PRODUCTS.

Applicant & Inventor : BALAPRAGADA NEERAJA SUNDARASIVAM ANDHRA PRADESH.

Application No. 180/Mas/80 filed September 25, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

An apparatus for continuous drying tea, cocoa beans, paddy and the like in a fluidised bed comprising a drying chamber divided into a lower section and an upper section by a uniform air distribution means, said upper section of the chamber being vertically partitioned by a volute member of spiral cross section disposed along said distribution means, an inlet opening provided with said lower section of the chamber for supplying hot air which enters into the upper section of the chamber through said distribution means, one or more discharge outlets disposed peripherally around the upper section of said chamber, the wet materials being introduced into the central section of said volute member to form the first fluidised bed therein whereafter the partially dried materials, being of low specific gravity are caused to be discharged to the next beds of said volute member to

form successive fluidised beds till the materials reach the end of the spiral pathway of the volute member wherfrom the completely dried materials are withdrawn through said discharge outlets, the exit opening for exhaust air being provided in the top of the upper section of said chamber.

Complete Specn. 11 pages.

Drawgs. 3 sheets.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy.

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PATENTS SEALED

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AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendments proposed by Monsanto Company, in respect of patent application No. 147738 as advertised in Part III Section 2 of the Gazette of India dated the 28th November, 1981 have been allowed.

(2)

The amendments proposed by Societe Francaise D' Electro-metallurgie "Sofren" in respect of application No. 147742 as advertised in Part III, Section 2 of the Gazette of India dated the 21st November, 1981 have been allowed.

COMMERCIAL WORKING OF PATENTED INVENTIONS

GENERAL & MECHANICAL ENGINEERING LIST : V

The following Patents in the field of General and Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year, 1980, generally on account of want of requests for licence to work the Patented inventions.

Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and address of Patentees.	Title of the inventions.
1	2	3	4	5
1.	111205	22-06-1967	E.I. SMIDTH & CO. A/s, of 77 Vigerslev Alle, Copenhagen, Valby Denmark.	Method of producing ground material and a grinding mill therefor.
2.	111749	31-07-1967	Caterpillar Tractor Co., 800 Davis Street, San Leandro, State of California, U.S.A.	Track link.
3.	117173	08-08-1968	SUMITOMO ELECTRIC INDUSTRIES LTD. No. 15, 5-Chome, Kitahama, Higashi-ku, Osaka, Japan.	Continuous crosslinking device for rubber or plastic cable.
4.	117277	16-08-1967	I.L. SMIDTH & CO., A/s 77, Vigerslev Alle, Copenhagen Valby, Denmark.	Improvements to conveying and distributing device.
5.	117779	22-09-1967	E.L. SMIDTH & CO. A/s, 77, Vigerslev Alle, Copenhagen-Valby, Denmark.	Rotary kilns with cooler tubes.
6.	119420	15-01-1969	Do.	Method and apparatus for grinding mineral materials.
7.	124264	14-08-1968	Do.	Improvements to conveying and distributing device.
8.	127472	09-07-1970	PREROVSKÉ STROJIRNY NARODNÍ PODNÍK, of Prerov, Czechoslovakia.	Apparatus for the preheating of puverulent materials especially of cement raw materials.
9.	127492	10-07-1970	VAKUUM VULK HOLDING LTD., 360 Queen Street, Nassau, Bahamas.	Process and device for vulcanisation of prevulcanised treads or rings with normal or higher profiles.
10.	127551	15-07-1970	PREROVSKÉ STROJIRNY NARODNÍ PODNÍK, Prerov, Czechoslovakia.	Method of cooling granulous materials and apparatus for performing this method.
11.	127672	23-03-1970	GILLETTE COMPANY, Prudential Tower Building, Boston, State of Massachusetts, U.S.A.	Metal articles such as razor blades, method and apparatus for making the same.
12.	127960	10-08-1970	GOULD INC., F-1200, First national Bank Building, St. Paul, Minnesota, U.S.A.	Methods of and means for casting battery plates.
13.	128000	12-08-1970	FMHART INDUSTRIES, 950, Cottage Grove Road, Town of Bloomfield, State of Connecticut, U.S.A.	Foreign particles inspection machine for liquid filled containers such as ampoules.
14.	128107	20-08-1970	GIRLING LTD., Kings Road, Tysley, Birmingham 11, Warwickshire, England.	Brake adjusters.
15.	128226	28-08-1970	ANGFLO JOHN CRISAFULLI, P.B. No. 1051, Gleudive, Montria, U.S.A.	Centrifugal pump.
16.	128231	29-08-1970	GIRLING LTD., Kings Road Tysley, Birmingham, 11, Warwickshire, England.	Disc brakes.
17.	128699	05-10-1970	DR. C. OTTO & COMP. GMBH, Bochum, West Germany.	Charging car for coke ovens.
18.	129334	21-11-1970	DR. C. OTTO & COMP GMBH, Bochum, West Germany.	Charging car for coke ovens.
19.	129687	21-12-1970	MIDI AND ROSS, CORPORATION, 55, Public Square, Cleveland, Ohio-44113, U.S.A.	Railway car coupler.
20.	130120	29-05-1971	N. CHAKRAVARTI, 639, Block "O", New Alipur, Calcutta-55, West Bengal, India.	Transmission towers or poles.
21.	131067	21-04-1971	INDEFX, S.A. Bollwerk 15, 3011 Bern, Switzerland.	Window hinge device.

1	2	3	4	5
22.	131068	21-04-1971	INDEX, S.A. BOLLWORK 15, 3011, Bern, Switzerland.	Window door or like assemblies.
23.	131069	21-04-1971	Do.	Window structures.
24.	131070	21-04-1971	Do.	Window frame structures.
25.	131071	21-04-1971	Do.	Improvement in or relating to machinery apparatus.
26.	131072	21-04-1971	Do.	Window frames.
27.	131406	16-02-1972	COMPAGNIE PECHINEY, 23, Rue Balzac, Paris 8e, France.	Process and apparatus for formation of threaded bores having address surface.
28.	131831	26-06-1971	1. HOLLYWELL MINING GROUP LTD., Backwirth Mining Offices, Shiremoor. 2. NORTHUMBERLAND ENGLAND 2. JACK REO KENNEDY, 200 South Joyue Street, Taylorville, Illinois, 62568, U.S.A.	Air stopping in underground mines.
29.	131964	02-07-1971	DUNLOP HOLDINGS LTD., Dunlop House, Ryder Street, St. James, London SW 1, England.	Pneumatic tyre.
30.	131965	2-07-1971	G.D. SOCIETA, Per Azioni, Via Pomponia 10, Bologna, Italy.	Device for controlling the feed rate in cigarette packaging mechanism.
31.	132045	08-07-1971	UNIVERSAL OIL PRODUCTS CO. LTD., 30, Algonquin Road, Des Plaines, State of Illinois, U.S.A.	Flow distributing apparatus and use thereof.
32.	132216	23-07-1971	SEALED POWER CORPORATION, 2001, Sanford Street, Muskegon, State of Michigan, 49443, U.S.A.	Manufacture of spacer expanders.
33.	132410	06-08-1971	PARKS CRAMER CO. Box 444, Fitchburg, Massachusetts, U.S.A.	Textile yarn forming machine date communicating an apparatus.
34.	132411	06-08-1971	PARKS CRAMER CO., Box 444, Fitchburg, Massachusetts, U.S.A.	Yarns piecing apparatus.
35.	132518	16-08-1971	DRESSER INVESTIMENTS N.V., Willemstad, Curacao, Netherlands.	Method and apparatus for mixing and mouldating liquid fuel and intake air for an internal combustion engine.
36.	132556	18-08-1971	GIRLING LTD., Kings Road, Tyseley, Birmingham 11, England.	Vehicle brakes.
37.	132577	19-08-1971	BORGES FABRIKS AKTIEBOLAG, Norrkoping, Sweden.	Aircraft arresting device.
38.	132591	20-08-1971	SOCIETE TECHNIQUE POUR L' UTILISATION DE LA PRE CONTRANTE (S.T.U.P. PROCEDES ERRE-SSINET), 66 Route, de la Reine, Boulogne-Billancourt, Hants de Seine, France.	Expansion joint between two portions of ground covering and process for producing the same.
39.	132605	21-08-1971	COMBUSTION ENGG. INC., 1000, Prospect Hill Road, Windsor, State of Connecticut, U.S.A.	Apparatus for initiating the heat generation phase of an electroslag retinning process.
40.	132737	01-09-1971	GIRLING LTD., King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Automatic adjusters.
41.	132743	01-09-1971	WHEELABRATOR CORPORATION, Mishawaka, Indiana, U.S.A.	Regulating valve for magnetic materials.
42.	133036	05-12-1972	TEXTILE & ALLIED INDUSTRIES RESEARCH ORGANISATION, Kalabhavan Premises, Baroda-390 001, Gujarat, India.	Open end spinning.
43.	133698	22-11-1971	MIDLAND-ROSS CORPORATION, 55, Public Square, Cleveland, Ohio 44113, U.S.A.	Knuckle type railway coupler.
44.	135201	26-11-1970	OFFSHORE COMPANY, P.O. Box 2765, Houston, Texas, 77110, U.S.A.	Drilling platform.

1	2	3	4	5
45.	135450	23-07-1971	SEALED POWER CORPORATION, 2001, Sanford Street, Muskgon, State of Michigan, 49443, U.S.A.	Manufacture of spacer expanders.
46.	135451	23-07-1971	Do.	Manufacture of spacer expanders.
47.	135452	23-07-1971	Do.	Manufacture of spacer expanders.
48.	135453	23-07-1971	Do.	Manufacture of spacer expanders.
49.	135506	12-06-1972	MIDLAND ROSS CORPORATION, 55 Public Square, Cleveland, Ohio 44113, U.S.A.	Railway car coupler and spring guide assembly for same.
50.	135545	19-07-1972	F.L. SMIDTH & COMPANY A/S, 77, Vigerlsev Alle, DK-2500, Copenhagen Valby, Denmark.	Rotary kiln.
51.	135574	17-05-1972	MIDLAND ROSS CORPORATION, 55, Public Square, Cleveland, Ohio 44113, U.S.A.	Railway car coupler.
52.	135696	05-12-1972	TEXTILE AND ALLIED INDUSTRIES RESEARCH ORGANISATION, Kalabhanvani Premises, Baroda-390001, Gujarat, India.	Rotor for open and spinning.
53.	135697	05-12-1972	Do.	Improved open and spinning device.
54.	135698	05-12-1972	Do.	Housing for an open end rotor.
55.	135743	09-08-1972	HEPWORTH AND GRANDAGE LTD., st. Johns Works, Bradford, York- shire, England.	Light metal pistons for internal combus- tion engines or compressors.
56.	135751	08-08-1972	TIMKEN CO., 1835, Dueber Avenue, S.W. Canton, Ohio, U.S.A.	Apparatus for rolling strip material.
57.	135762	01-07-1972	PALTIEK PROJECT CO. GMBH. Weeserweg 8, 4150, West Germany.	Device for braking and stopping a spin- ning or twisting spindle more especially a double twisting spindle in a specific position of the spindle.
58.	135836	01-07-1972	PALITEX PROJECT CO. GMBH. Weeserweg, 4150, Krefeld, West Germany.	Spinning or twisting machine especially a double thread twisting machine.
59.	135860	30-06-1972	LITTON SYSTEMS INC. 100 West, 10th Street, Wilmington, U.S.A.	Fail safe decelerating system.
60.	135888	08-08-1972	FIBERGLASS LTD., 201-211, Martins Buildings, Water Street, Liverpool 12 3 SR, Lancashire, England.	Winding apparatus.
61.	135904	21-04-1972	CHIEF CONTROLLER RESEARCH AND DEVELOPMENT ORGANISA- TION, Ministry of Defence, Govt. of India, New Delhi, India.	Height corrector or compensator.
62.	135905	21-04-1972	Do.	Vibration isolation device.
63.	135934	30-05-1972	NATIONAL INSTITUTE OF DE- SIGN, Paldi, Ahmedabad-1, Gujarat, India.	Cycle.
64.	136090	13-02-1973	BELoit CORPORATION, 1, St. Law- rence Avenue, Wisconsin, U.S.A.	Slice lip for a head box of paper making machine.
65.	136147	25-08-1972	INTERNATIONAL HOUSING LTD., P.O. Box 1379, Pembroke Bermuda, U.S.A.	System for making cast—in place con- crete structures.
66.	136164	07-07-1973	SNAMPROGETTI S.P. A., 16, Corso Venezia, Milan, Italy.	Vehicles.
67.	136171	27-07-1972	INDUSTRIE PIRELLI SOCIETE PER AZIONI, Centro Pirelli, Piazza Ducca D'Acosta No. 3, Milan 0100, Italy.	Pneumatic tyre for vehicle wheels.

1	2	3	4	5
68.	136205	13-10-1972	DR. C. OTTO & COMP. GMBH. Bochum, West Germany.	Verticle regenerator for horizontal coke ovens.
69.	136287	29-08-1972	GERARD BLUM, 12, Rue Pont Pro-viller La Tronche, Isere, France.	Measurement of the area of flat flexible articles.
70.	136454	12-06-1972	JAMES ALEXANDER MACKENZIE, 100 Branson Avenue, Ottawa, Ontario, Canada.	Constructional element.
71.	136653	08-08-1972	DIAMOND POWER SPECIALLY CORPORATION, U.S. Route 22, East, Lancaster, Ohio, U.S.A.	Cleaning hot surfaces by utilizing jet to dislodge deposits from hot surfaces and appliance therefor.
72.	136665	08-08-1972	BABCOCK & WILCOX CO., 161, East 42nd Street, New York, 10017, U.S.A.	Pulverized fuel delivery system for a blast furnace.
73.	136729	26-07-1972	SEALED POWER CORPORATION, 2001 Sanford Street, Muskegon, State of Michigan, 49443, U.S.A.	An improved method and appliance for making latch in a piston ring expander.
74.	136856	24-08-1972	U.S.S. ENGINEERS & CONSULTANTS, Delaware, U.S.A.	Mechanism for removal of roll rack in a continuous casting installation.
75.	136895	04-12-1973	TEXTILE & ALLIED INDUSTRIES RESEARCH ORGANISATION, Kalabhavan Premises, Baroda-390001, Gujarat, India.	Stop motion device for a spinning machine.
76.	136959	08-05-1973	DR. C. OTTO & COMP. GMBH. Christstrasse 9, 463 Bochum, West Germany.	Door for horizontal coking ovens.
77.	137032	10-07-1972	MAREMONT CORPORATION, 200, East Rouldoph drive, Chicago, State of Illinois, U.S.A.	Self levelling shock absorber and fluid spring assist unit.
78.	137120	05-05-1973	F.R. METILER'S SONS LTD., 6415 Arth, Switzerland.	Apparatus for singeing threads.
79.	137140	02-07-1973	NATIONAL INSTITUTE OF DESIGN, Palds, Ahmedabad-7, India.	Cycle.
80.	137146	22-03-1973	N. R. M. CORPORATION 47, West Exchange street, Akron, Ohio, 44308, U.S.A.	Tire building machine servicer.
81.	137327	10-08-1973	DEERE & CO., Moline, Illinois, U.S.A.	Radiator for liquid cooled internal combustion engines particularly for agricultural machines.
82.	137445	07-11-1972	GORDON S. LACY., 529, West Fourth Street, Escondio, California, U.S.A.	Ball point cartridge assembly.
83.	137487	11-02-1972	AIKOH CO., LTD., No. 1-39, 2-chome, Ikenhata, Taito-ku, Tokyo, Japan	Method for manufacturing hot top sleeves or slabs.
84.	138056	08-08-1973	DEERE & CO., Moline, Illinois, U.S.A.	Corn tank for harvest thresher.
85.	138078	17-07-1973	IMI NORGREN LTD., Campden Road, Shipston-on-Stour Warwickshire, England.	Means for coupling fluid control components in fluid lines.
86.	138114	19-07-1973	SILO VERFAMRENS AG., CH 6301 Zug/Schweiz Hofstrasse 1, Switzerland.	Apparatus for the production of tube.
87.	138585	22-03-1973	GIRLING LTD., King's Road, Tyseley, Birmingham, 11, Warwickshire, England.	Improvements in brake adjusters.
88.	138628	27-03-1973	OTTO INDIA PRIVATE LTD., 9, Camac Street, Calcutta-700017.	Regeneratively heated coke oven.

1	2	3	4	5
89.	138975	01-08-1973	ALUMINIUM COMPANY OF AMERICA., Alcoa Building, Pittsburgh, Pennsylvania, U.S.A.	Digitally operable container closure and method and apparatus for forming such closure.
90.	139002	07-08-1973	CROSS CO., 17801, Fourteen Mile Road, Fraser, Michigan, 48026, U.S.A.	Test stand for vehicle engines.
91.	139109	08-05-1973	DR. C. OTTO & COMP. GMBH. Christstrasse, 9, 463, Bochum, West Germany.	Gas collecting device for coke oven battery.
92.	139185	07-08-1974	GENERAL ELECTRIC CO., 1, River Road Schenectady, New York, U.S.A.	Cooling systems for cooling internal combustion engine.
93.	139238	04-04-1974	KRAFTWERKE UNION, Ag Wiesenstrasse 35 4330 Mülheim Ruhr, West Germany.	Shaft packing assembly for shaft mounted in an axially undivided outer housing.
94.	139476	31-08-1973	DEERE & CO., Moline, Illinois, U.S.A.	Crop harvesting machine.
95.	139498	26-06-1974	SIMON CARVES LTD., P.O. Box 31, Cheadle, Heaton Stockport, Cheshire, England.	Device for facilitating the discharge of solid particulate material from a hopper.
96.	139610	2-08-1973	NRM. CORPORATION, 47, West Exchange Street, Akron, Ohio, 44308, U.S.A.	Apparatus for severing tire ply stock and the like.
97.	139740	21-02-1974	HOLLANDSE SIGNALAPPARATEN B.V. Zuidelijke, Harvenweg 40, Hengelo (O) Netherlands.	Method for manufacture of twistless yarn, a yarn with relatively low twist and the yarn obtained through the application of the same method.
98.	139812	05-12-1973	GIRLING LTD., King's Road, Birmingham 11, Tyseley, England.	Transmission members and hydraulic actuators incorporating said transmission members.
99.	139942	07-04-1973	MIDLAND-ROSS CORPORATION, 55, Public Square, Cleveland, Ohio, 44113, U.S.A.	Railway car coupler.
100.	139955	18-10-1973	BICC LTD., 21, Bloomsbury street, London, WC 1 B 32 N England.	Wire drawing machinery.
101.	139981	03-10-1974	MIDLAND ROSS CORPORATION, 55, Public Square, Cleveland, Ohio, 44113, U.S.A.	Railway vehicle coupler and draft gear.
102.	140077	02-09-1974	B & J MANUFACTURING CO., P.O. Box 325, 700 West 193rd Glenwood Illinois, 60425, U.S.A.	Replaceable blade for the rotating hub of tire buffing machine.
103.	140314	15-07-1974	SUNKIST GROWERS 14130, Riverside Drive, Sherman Oaks, California, U.S.A.	Article orienting conveyor.
104.	140706	30-11-1973	MIDLAND ROSS CORPORATION, 55, Public Square, Cleveland, Ohio, 44113, U.S.A.	Draft gear including a box like housing open at one end and removable closure plate for closing the said open end.
105.	140859	01-07-1974	F.L. SMIDTH & CO., 77, Vigerslev Allé, DK-2500. Copenhagen Valby, mark.	Improvements in rotary kiln plants for burning pulverous or granular material.
106.	140993	13-08-1974	PARKS CRAMER CO., P.O. Box 444-Fitchburg, Massachusetts, U.S.A.	Travelling tending apparatus for textile machines such as a spinning frame.
107.	141073	15-01-1975	COMBUSTION ENGINEERING INC., 100 Prospect Hill Road, Windsor, Connecticut, U.S.A.	Steam generator buckstay leveling systems.
108.	141139	21-12-1973	COMBUSTION ENGINEERING INC., 100 Prospect Hill Road, Windsor, Connecticut, U.S.A.	Connecting means for adjacent walls of two abutting ducts.
109.	141171	18-09-1974	SIEMENS AG., Berlin & Munich, West Germany.	Steam filter for turbine a method and a device for making said steam filter.

1	2	3	4	5
110.	141275	07-05-1974	F. L. SMIDTH AND CO., Viborslev Alle 77, DK-2500, Copenhagen-Valby, Denmark.	Method of cooling granular material and a planetary cooler.
111.	141289	17-05-1974	GYPSUM RESEARCH S. A., 722, Rue De la Corraterie, CH-1204 Geneva, Switzerland.	Method and producing fibre containing building members.
112.	141380	18-04-1974	PULLMAN INC., 200, South Michigan Avenue, Chicago, Illinois, U.S.A.	Welding Jig.
113.	141428	02-07-1975	SHELL INTERNATIONALE RESEARCH MASSCHAPPIJ B.V. Carol Van Bylandtlaan 30, Hague, The Netherlands.	Apparatus for feeding finely divided solid fuel to a high pressure gasification chambers.
114.	141434	24-04-1974	DR. C. OTTO & COMP. GMBH, Bochum, West Germany.	Coke oven door.
115.	141473	11-03-1975	WILHELM HEGLER, Goethe Strasse-2, 873 Bad Kissinger, West Germany.	Method and an apparatus for producing double walled synthetic plastic tubes.
116.	141478	23-05-1975	PALTEX PROJECT CO, GmbH, Weeserweg 8, 415, Krefeld, West Germany.	Means on or attachable to a textile machine for the positioning or receiving of a thread end and its transport along a predetermined path.
117.	141620	26-08-1975	PREROVSKÉ STROJÍNRV, Narodni, Podnik, Preeov Czechoslovakia.	Apparatus for preheating and calcination of granulous and piece materials.
118.	141727	26-04-1975	AKADEMIA MEDYCZNA WE WROCŁAWIU, Pasteura Satr. 1, Wroclaw, Poland.	Spatial intrauterine contraceptive insert.
119.	141854	11-07-1974	DR. C. OTTO & COMP. GMBH, Bochum, West Germany.	Coke side shed for coke ovens.
120.	141879	31-05-1974	G.D. SOCIETA PER AZIONI, Via Pomponia 10, Bologna, Italy.	Transmission system for a light speed cigarette packing machine.
121.	141918	21-09-1974	VEB POLYGRAPH, 705, Leipzig, Zweinaundorfer Strasse-59, GERMAN DEMOCRATIC REPUBLIC.	Combined inking and damping device for offset printing machines.
122.	141921	09-04-1975	DR. C. OTTO & COMP. GMBH, Bochum, West Germany.	Charging car for coke ovens.
123.	141937	19-06-1974	MIDLAND-ROSS CORPORATION, 55, Public Square, Cleveland, Ohio, 44113, U.S.A.	Railway car coupler.
124.	141993	05-06-1974	Chief Controller, Research & Development, Ministry of Defence, Govt. of India, New Delhi, India.	Prismatic binocular.
125.	142071	20-03-1975	1. EDWARD CARL DUWE, 3840, Highland Shores, Oshkosh, Wisconsin, U.S.A. 2. WILLIAM EDWARD DUWE, 1203, Washington Avenue, of Oshkosh, Wisconsin, 54901, U.S.A.	Modular mausoleum crypt systems.
126.	142312	11-11-1974	DR. C. OTTO & COMP. GMBH, Bochum, West Germany.	Flue gas collector main on regeneratively heated coke ovens.
127.	142346	26-09-1974	G. D. SOCIETA PER AZIONI, Pomponia 10, Bologna, Italy.	High speed cigarette packing machine.
128.	142465	12-07-1974	DR. C. OTTO & COMP. GMBH, Bochum, West Germany.	Horizontal coke oven having cross regenerators.
129.	142505	22-05-1975	DAVID SCIAKY, 999, North Lake Shoe Drive, Chicago, Illinois, U.S.A.	Method of effecting a good weld by welding equipments and rotary arc type and apparatus therefor.
130.	142724	11-07-1974	DR. C. OTTO & COMP. GMBH, Bochum, West Germany.	Levelling device for coke ovens.
131.	142779	14-01-1976	SIEMENS AG., Berlin, & Munich, West Germany.	Apparatus for monitoring the level of liquid in a vessel.
132.	142818	28-01-1976	PARKER PEN COMPANY, 219, East Court Street, Janesville, Wisconsin, U.S.A.	Improvements in or relating to modular writing pen.

**PATENTS DEEMED TO BE ENDORSED WITH
THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention.
143905 (02.04.1975)	Process for the direct reduction of iron-oxide containing materials in a rotary kiln.
143906 (07.05.1976)	Process for electro chemical preparation of beta-phenyl ethyl-amine hydrochloride from benzyl cyanide.
143915 (10.12.1975)	A method of treating medical and surgical instruments house-hold objects to render them sterile.
143923 (25.03.1975)	A continuous process for the production of gaseous mixtures.
144029 (16.11.1976)	Manufacture of alkaline sulphides, polysulphide and sulphites by reacting sulphur with alkaline solutions as sodium hydroxide or calcium hydroxide.
144053 (13.05.1975)	A method of smelting zinc in blast furnace.
144086 (10.05.1976)	Preparation of solutions or basic dye-stuffs.

RENEWAL FEES PAID

110374	110465	110466	110479	110487	110508	110787	110825
111005	111085	113744	113857	114166	114443	115800	115924
115984	116107	116118	116145	116246	116545	117043	117398
117940	118290	119536	119586	121188	121199	121283	121293
121294	121334	121345	121421	121438	121451	121477	121812
121954	122028	122626	123646	123939	123940	123941	123942
123943	124811	126262	126600	126624	126626	126671	126768
126803	126839	126892	127255	128129	129741	129796	129900
130026	131060	131215	131248	131311	131480	131552	131601
131934	132011	132617	132809	133158	134186	134201	134212
134368	134766	134848	135227	135239	135365	135492	135517
135622	135699	135701	135741	135799	135835	135836	136242
136321	136633	136701	136849	136959	137303	137304	137475
137406	137414	137749	137797	137839	137968	138020	138046
138201	138528	138686	138788	138797	139102	139109	139454
139516	139668	139683	139901	139954	140093	140124	140283
140291	140293	140432	140537	140622	140647	140716	140737
140912	140934	140953	140968	141051	141126	141141	141100
141261	141302	141324	141359	141415	141557	141687	141915
141758	141974	141992	142008	142081	142096	142145	142186
142214	142325	142348	142409	142424	142434	142499	142696
142829	142830	142872	142951	142952	142953	142954	143016
143026	143062	143095	143160	143265	143290	143322	143334
143458	143523	143551	143665	143755	143786	143888	143948
143951	144040	144046	144050	144141	144210	144222	144319
144328	1444353	1444384	144449	144514	144535	144576	144639
144689	144696	144729	144737	144862	144977	145046	145059
145075	145101	145129	145172	145212	145327	145378	145424
145480	145636	145659	145711	145761	145830	145907	145934
146021	146148	146201	146248	146250	146260	146281	146313
146382	146459	146520	146524	146593	146601	146717	146721
146754	146783	146798	146866	146867	146914	146931	147031

147032	147181	147182	147190	147277	147307	147321	147340
147390	147474	147483	147528	147545	147556	147580	147603
147645	147672	147674	147680	147682	147774	147751	147801
147803	147804	147851	147879	147881	147918	147929	147931
147936	147937	147959	147972	148014	148020	148049	148070
148087	148092	148096	148105	148116	148121	148126	148193
148215	148216	148217	148218	148231	148233	148280	148298
148302	148327	148379	148401	148428	148434	148435	148436
148466	148468	148469	148470	148480	148483	148484	148488
148500	148502	148503	148505	148512	148513	148514	148523
148686	148753	148830	148866	149954.			

RESTORATION PROCEFDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 145647 granted to Schweiter Engineering Works Limited for an invention relating to "High-speed yarn traverse apparatus". The patent ceased on the 17th January 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th May 1982.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 22nd July 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

**APPLICATION FOR REVIEW OF CONTROLLER
DECISION UNDER SECTION 77(1)(f)**

An application for review of the decision of Deputy Controller of Patents & Designs under Section 15 of the Patents Act, 1970, dated 28th January, 1982 in respect of Patent Application No. 770/Del/78 has been filed.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 151105. Fidma Limited, an Indian Company of 6/2, Moira Street, Calcutta-700017, W.B., India. "Cooking stove". August 17, 1981.

Class 1. No. 151155. Meenu Equipments, an Indian Partnership Firm of Site No. 2, Balaji Nagar, Avarampalayam Road, Pappanackenpalayam, Coimbatore-641018, Tamil Nadu, India. "Mixer". September 19, 1981.

Class 1. No. 151151. Metal Box Limited of Queens House, Forbury Road, Reading Berkshire, England, British Company. "Can body". Priority date March 18, 1981.

Class 1. No. 150267. Peico Electronics & Electricals Limited of Shivasagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra, India, Indian Company. "Lamp Support". January 2, 1981.

Class 1. No. 151380. Application Des Gaz, a French Societe Anonyme, 173 Rue de Bercy, 75012, Paris, France. "Cooking Stove". December 5, 1981.

Class 1. No. 151379. Application Des Gaz, a French Societe Anonyme, 173 Rue de Bercy, 75012, Paris, France. "Gas Cooking Stove". December 5, 1981.

Class 1. No. 151378. Application Des Gaz, a French Societe Anonyme, 173, Rue de Bercy, 75012, Paris, France. "Gas Cooking Stove". December 5, 1981.	Nos. 145126, 145127, 145128, 145129, 145130, 145131, 145907, 145772, 145171, 145767, 145737	Class 3.
Class 1. No. 151010. Calcutta Fan Works Pvt. Ltd. of 30, Chowringhee Road, Calcutta-700016, W.B., Indian Company. "Exhaust or ventilation Fans". July 18, 1981.	Nos. 145767 & 145801	Class 4.
EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS	EXTENSION OF COPYRIGHT FOR THE PERIOD OF FIVE YEARS	THIRD
Nos. 145133, 145134, 145135, 145136, 145137, 145138, 145458	No. 145458	Class 1.
	Nos. 145907, 145772, 145771, 145767, 145737, Nos. 145768 & 145801	Class 3 Class 4.

S. VEDARAMAN
Controller General of Parents, Designs
and Trade Marks

